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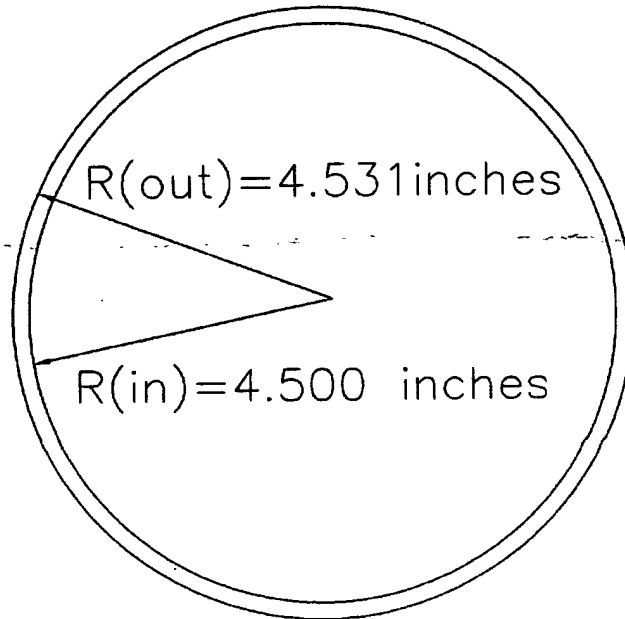
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As Constructed

No Revisions:

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Inside radius = 4.5 inches  
Outside radius = 4.53125 inches  
Volume = .22009282407 Cubic feet  
Surface area = 1.791773980882 Square feet  
Sphere Weight = .14375 pounds  
Material = LP5100 Polyethylene .950 density  
Counterbalancing Calculation 2.165625 cubic feet of Helium

Herman J. Thiele, Inventor		G-Ball Patent		G - Ball	
Creation Date:	4/19/02 Initials: WAH				
Last Modification Date:	4/19/02 Initials: WAH				
Full Path:	U:\myfiles\sphere.dwg	HJT		4	
Drawing File Name:	SPHERE	Detailer: WAH			
Acad Ver.	LT2000i	Scale:	N/A	Units:	ENG
				Sheet: 1 of 1	Sheet Number 1

G-Ball

IDEA + PATENT DESIGN BY

Herman Thiele

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$\frac{1}{32}$  803

Sphere Weight

14.375 lb or - 10%

2.1875 ounces

MATERIAL 1<sup>ST</sup> CHOICE

LP 5100 Polyethylene

DENSITY .950 - NON POROUS

POLYMERS NOT LIMITED TO LP 5100

FROM CENTER TO OUTSIDE

RADIUS = 4.5"

FROM CENTER TO INSIDE

RADIUS = 4.5"

VOLUME = 3200 CUBIC FT

2.165625 Cubic FT + or - Two Weeks  
 Due To Approximation of  
 WALL Thickness (Weight)  
 $V = mRT / (P(M_{air} - M_{helium}))$

CAN BE 10 TIMES INCREASE  
 OF VOLUME PER CU FT.

Surface Area =

119177398688464 FT.

$A = 4\pi r^2$

G-Ball is to be blow molded injected with helium and sealed To Calculations  
 Above - Valve may be used To Regulate helium. Purpose: To Float in M.D.A.F. where Placed  
 ALL RIGHTS AND CALCULATIONS ARE Reserved by Herman Thiele for ANY PLASTICS or  
 Vessel Capable of Meeting Calculation Criteria. Gas is NOT Limited To just Helium  
 Too ANY Advanced uses ARE The Sole property of Herman Thiele  
 i.e. luminescence induction, electrical induction, Medical or Aerospace Research will  
 be Solely by Permission AND with Compensation To Herman Thiele  
 Semantics - Two Weeks, Definition for - Portion of Gas needed For Counterbalancing

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